

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

**TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> WINDOW ROCK	<u>AIRPORT ID</u> KRQE	<u>PROCEDURE NAME</u> RNAV (GPS)-B	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> WINDOW ROCK	<u>STATE</u> AZ	
<u>AIRPORT ELEVATION</u> 6742	<u>TDZE</u>	<u>SUPERSEDED</u> RNAV (GPS)-B	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 04/28/2016	<u>MAG VAR</u> 9E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> 12/05/2019	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
DERTY		JELIX		TF	FB	1.00	283.25	4.76	10100
JELIX	IAF	WUDID		TF	FB	1.00	264.21	13.81	10100
HUNVI	IAF	WUDID		TF	FB	1.00	112.04	16.24	10100
WUDID	IF	ROCLO		TF	FB	1.00	175.06	6.01	9100
ROCLO	FAF	RW21	MAP	TF	FO	0.30	175.06	5.70	
RW21	MAP	7142 MSL		CA			175.06		
7142 MSL		FORAN		DF	FO	1.00			9600

**MISSED APPROACH**

**MAP:**  
RW21

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING RIGHT TURN TO 9600 DIRECT FORAN AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. **PT**      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF (IAF)**
- 2. PROFILE STARTS AT WUDID
- 3. **FAC:** 175.06      **FAF:** ROCLO                      **DIST FAF TO MAP:** 5.70                      **DIST FAF TO THLD:**
- 4. **MIN ALT:**    WUDID 10100, ROCLO 9100
- 5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **GS ANT:**
- 6. **MIN GP INCPT:**                      **GP ALT AT FAF :**                      **OM:**                      **MM:**                      **IM:**
- 7. **GP ANGLE:**                      **34:1:**                      **20:1:**                      **TCH:**
- 8. **MSA FROM:** RW21 10600

**PBN REQUIREMENTS NOTE:**

RNP APCH.

**NOTES:**

CHART NOTE: CIRCLING RWY 21 NA AT NIGHT.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DERTY ON V421 NORTHBOUND.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HUNVI ON V95 SOUTHBOUND.

**ADDITIONAL FLIGHT DATA:**

FAC CROSSES RWY 21 THLD.  
 CHART CIRCLING ICON.  
 FAS OBST: 7284 TREE 354235N/1090236W.  
 7976 AAO 354521N/1085942W.  
 HOLD SW, RT, 040.59 INBOUND

**MINIMUMS:**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

**ALTERNATE:** NA  CAT A, B 1000-2, CAT C 1100-3, CAT D 1400-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
CIRCLING	7740	1 1/4	998	7740	1 1/2	998	7780	3	1038	8080	3	1338			



**CHANGES - REASONS**

1. MAGVAR CHANGED FROM 13E TO 9E - UPDATED TO 2020 VALUE.
2. RWY NUMBERS CHANGED FROM 02/20 TO 03/21 - MAGVAR SWING.
3. FAC CHANGED FROM 171.06 TO 175.06 - MAGVAR SWING.
4. CHANGED HOLDING INBOUND COURSE FROM 035.88 TO 040.59 - MAGVAR SWING AND INTERMEDIATE FIX MOVED ON RNAV (GPS) RWY 3.
5. CREATED FEEDER FROM DERTY TO NEW FIX JELIX - DERTY-WUDID HAD A TURN GREATER THAN 90 DEGREES; UNABLE TO MOVE DERTY BECAUSE IT IS USED ON ANOTHER PROCEDURE. ADDED JELIX TO MITIGATE DEGREE OF TURN PER ATC REQUEST.
6. CHANGED HUNVI-WUDID COURSE/DIST FROM 108.08/16.25 TO 112.04/16.24 - MAGVAR SWING AND MOVED WUDID.
7. CHANGED WUDID-ROCLO COURSE/DIST FROM 171.06/6.0 TO 175.06/6.1 - MAGVAR SWING AND MOVED WUDID.
8. CHANGED ALTITUDE AT WUDID FROM 10000 TO 10100 - RAISED TO ACCOUNT FOR AIRSPACE.
9. CHANGED ALTITUDE AT ROCLO FROM 9000 TO 9100 - RAISED TO ACCOUNT FOR AIRSPACE.
10. CHANGED MISSED APPROACH ALTITUDE FROM 9400 TO 9600 - MATCH HOLDING FOR RNAV GPS RWY 3.
11. CHANGED FAS OBST FROM 7699' TREES TO 7284' TREE - NEW CONTROLLING OBSTACLE.
12. ADDED CAT D MINIMUMS (8080/3/1338)-ATC REQUEST.
13. CHANGED CMDA/HAA CAT A FROM 7720/978 TO 7740/998 AND CAT C FROM 7740/998 TO 7780/1038 - APPLIED EXPANDED CIRCLING, NEW CONTROLLING OBSTACLES.
14. ADDED 7976' AAO AS A 7:1 OBSTACLE TO ADDITIONAL FLIGHT DATA - 7:1 OBSTACLE FOUND IN TARGETS EVALUATION.
15. REMOVED 34:1 IS NOT CLEAR - NOTE ONLY REQUIRED FOR STRAIGHT-IN ALIGNED PROCEDURES.
16. ADDED CHART CIRCLING ICON NOTE - APPLIED EXPANDED CIRCLING.
17. DELETED GPS OR RNP-0.3 REQUIRED - INCORPORATED PNOTAM 0/0965.
18. ADDED ALTERNATE MINIMUMS NOTE "@ CAT A, B 1000-2, CAT C 1100-3, CAT D 1400-3" AND NA WHEN LOCAL WEATHER NOT AVAILABLE - INCORPORATED PNOTAM 0965. UPDATED NOTE FOR CAT C WITH NEW CONTROLLING OBSTACLE AND ADDED CAT D. ADDED NOTE IAW 8260.19H.
19. REPLACED "DME/DME RNP-0.3 NA" WITH PBN REQUIREMENTS NOTE "RNP APCH" - PBN DOCUMENTATION REQUIREMENT FOR RNAV (GPS) APPROACH.
20. DELETED HELICOPTER VISIBILITY NOTE - NOT APPLICABLE TO CIRCLING ONLY PROCEDURES.
21. REPLACED "NIGHT LANDING: RWY 20 NA" WITH "CIRCLING RWY 21 NA AT NIGHT" - UPDATED NOTE FORMAT IAW 9260.19H 8-6-11 O.(2)G.
22. ADDED FAF TO MAP DISTANCE (5.7) - IAW 8260.19H 8-6-7 C.(3).
23. REMOVED NOTE "FINAL SEGMENT: (TF)" - NOT CURRENT CRITERIA.
24. ADDED FAC ALIGNMENT NOTE TO ADDITIONAL FLIGHT DATA - IAW 8260.19H PARA 8-6-10G(3).
25. ADDED PROCEDURE NA FOR ARRIVALS AT DERTY ON V421 NORTHBOUND AND PROCEDURE NA FOR ARRIVALS AT HUNVI ON V95 SOUTHBOUND - NEEDED TO AVOID TURNS GREATER THAN 90 DEGREES.

**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA  OTHER: ZAB, AMGR

**FLIGHT CHECKED BY**

*Digitally signed by*

**OFFICE**

**DATE**

PENDING

**DAVID DANNER**

Sep 13, 2019

**DEVELOPED BY**

*Digitally signed by*

**OFFICE**

**DATE**

DAVID DANNER (TAYLOR GIBSON)

**DAVID DANNER**

AJV-A421

07/30/2019

**APPROVED BY**

*Digitally signed by*

Sep 13, 2019

**OFFICE**

**DATE**

**TITLE  
MANAGER**

MARLON ROBINSON

**DAVID DANNER**

Sep 13, 2019

AJV-A420

